

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B12.01	Allowence for Community Liason Officer Handling cost on B12.01	Prov. Sum %	1,0 30000	30 000,00	30 000,00
B12.03	Allowence for PSC Handling cost on B12.03	Prov. Sum %	1,0 6000	6 000,00	6 000,00
B12.04	Daywork				
	(a) Labour	hr	4		
	(b) Foreman	hr	4		
	(c) Artisans	hr	4		
	(d) Air compressor, 4m3/min, complete with drills, jackhammers, etc.	hr	4		
	(e) Pump including all necessary hoses	hr	4		
	(f) Truck as follows:				
	(i) Truck (3-5t) with operator	hr	4		
	(ii) Truck (6-10t) with operator	hr	4		
	(g) Concrete mixer 0.5m3	hr	4		
	(h) Vibrating roller (BM 60) Compactor, 0,6m wide	hr	4		
	(i) Front end loader with operator, 0,8m3	hr	4		
	(j) Backactor with operator, 0,3m3	hr	4		
	(k) Watercart, 500l	hr	4		
	(l) Survey assistant	hr	4		
	(m) (i) Allow a provisional sum for purchase of materials (ii) Handling cost and profit in respect of subitem B22.04 (m)(i)	Prov Sum %	1 5000	5 000,00	5 000,00
	(n) Allowance for student	Prov Sum	1	30 000,00	30 000,00
12.07	Supply and erect of contract name board complete	No	1		
B12.08	Engineers Additional Supervision, Cell Phone, Data, Safety Boot and Transport Handling cost on B12.02	Prov. Sum %	1,0 15000	15 000,00	15 000,00
TOTAL SECTION 1200 CARRIED FORWARD TO SUMMARY					

SECTION 1300
1300,00 CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B13.01	<p>CONTRACTORS ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</p> <p>Contractors general obligations</p> <p>(a) Fixed obligations</p> <p>(b) Value-related obligations</p> <p>(c) Time-related obligations</p> <p>(d) Compliance with Health & Safety Act + Environmental Management obligations</p>	<p>L.Sum</p> <p>L.Sum</p> <p>month</p> <p>month</p>	<p>1</p> <p>1</p> <p>5</p> <p>5</p>		
<p>NOTE: The combined total tendered for item (a) through to (d) above shall not exceed 20% of the Total Tendered Sum for this phase of the project, excluding VAT, Contingency.</p>					
<p>TOTAL SECTION 1300 CARRIED FORWARD TO SUMMARY</p>					

SECTION 1400
14.00 HOUSING, OFFICES AND LABORATORY FOR THE ENGINEER'S SITE PERSONNEL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
14,01	Office and laboratory accommodation:				
	(a) Offices complete with furniture	Sum	1		
	(e) Ablution units	Sum	1		
14,08	Services as specified in clause 1404, namely water, electricity, sewerage, etc, etc:				
	(a) Services at offices				
	(i) Fixed costs	Sum	1		
	(ii) Running costs	month	5		
TOTAL SECTION 1400 CARRIED FORWARD TO SUMMARY					

SECTION 1500
15.00 ACCOMMODATION OF TRAFFIC

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
15.03	Traffic accomodation for the duration of the contract including all necessary signs, flagmen	month	5		
TOTAL SECTION 1500 CARRIED FORWARD TO SUMMARY					

SECTION 1700
17.00 CLEARING AND GRUBBING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
17.01	Clearing and grubbing	ha	0,8		
17.02	Removal and grubbing of large trees and tree stumps				
	(a) Girth exceeding 0m up to and including 1m	No	20		
	(b) Girth exceeding 1m up to and including 2m	No	10		
	(c) Girth exceeding 2m up to and including 3m	No	10		
17.09	Remove, store and replace existing fences	m	150		
TOTAL SECTION 1700 CARRIED FORWARD TO SUMMARY					

SECTION 2100
21.00 DRAINS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B21.01	Excavation for open side drains: (a) Excavation in soft material situated within the following depth ranges below the surface level: (i) 0m up to 1.5m	m	200		
B21.02	Cleaning & shaping cut-off drains	m	150		
B21.03	Concrete V Drains Construct a 1m wide x 150mm thick concrete V-Drain complete with shuttering and 25 Mpa concrete (19mm stone)	m ³	6		
	Welded mesh wire 193	m ²	40		
TOTAL SECTION 2100 CARRIED FORWARD TO SUMMARY					

SECTION 2200
22.00 PREFABRICATED CULVERTS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
22.01	Excavation (a) Excavating soft material situated within the following depth ranges below the surface level: (i) 0 m up to 1,5 m	m ³	31		
	(ii) Exceeding 1,5 m and up to 3,0 m	m ³	62		
22.02	Backfilling (a) Using excavated material	m ³	13		
	(b) Using imported selected material	m ³	4		
22.03	Concrete pipe culverts (ii) 600mm dia. Type 100 D	m	28		
22.18	Single Pipe Brick Inlet plastered on all sides (as per drawing no SD0406) a) For pipe diameters 450 mm to 600mm	No	4		
22.19	Single Pipe Brick headwall at outlet plastered on all sides (as per drawing no SD0406) a) For pipe diameters 450 mm to 600mm	No	4		
B22.08	Concrete backfill for culverts, ducts and other services (25 Mpa)	m ³	3		
	Major Stream Crossing				
22.05	Portal & Rectangular Culverts (b) Without prefabricated slabs (for the sizes stated below) (i) 1800 x 1800 Type 100S	No	35		
	(j) 2400 x 2400 Type 100S	No			
	(ii) 3000 x 3000 Type 100S	No			
22.07	Cast in situ concrete & formwork (a) 30mm concrete blinding layer (15Mpa)	m ³	5		
	(b) 30Mpa concrete in floor slab and keys for portal or rectangular culverts, including formwork, joints and class U2 surface finish	m ³	35		
	(c) 30Mpa concrete in top slab and bollards for portal or rectangular culverts, including formwork, joints and class U2 surface finish	m ³	25		
	(d) 30Mpa concrete in inlet and outlet structures, skew ends, catch pits, manholes, trust and anchor blocks, including formwork and class U2 surface finish,	m ³	2		
	(e) 30Mpa concrete in extended retaining walls, including formwork, joints and class U2 surface finish	m ³	5		
22.10	Steel Reinforcement (b) High-tensile steel bars	t	5,0		
TOTAL SECTION 2200 CARRIED FORWARD TO SUMMARY					

SECTION 3300
3300 MASS EARTHWORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
33.01	Cut and borrow to fill, including free-haul up to 1,0km. Material obtained from other (a) Material in compacted layer thickness of 200mm and less: (i) Compacted to 90% Mod AASHTO density	m ³	1130		
33.04	Cut to spoil, including free-haul up to 1,0km. Material obtained from; (a) Soft excavation (b) Intermediate (c) Hard excavation (d) Boulder Excavation	m ³ m ³ m ³ m ³	1220 350 150 120		
33,10	Roadbed preparation and the compaction of material: (b) Compaction to 93% of Mod AASTHO density	m ³	563		
33/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul) up to or through 1,0km (restricted overhaul)	m ³ -km	11820		
TOTAL SECTION 3300 CARRIED FORWARD TO SUMMARY					

SECTION 3400
3400 PAVEMENT LAYERS OF GRAVEL MATERIAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B34.01	Pavement layers constructed from gravel obtained from borrow pit (e) Gravel base/selected layer (G6 or G7) compacted to: (ii) 98% of modified AASHTO density (150mm layer thickness)	m ³	675		
TOTAL SECTION 3400 CARRIED FORWARD TO SUMMARY					

SECTION 5600

5600 ROAD SIGNS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B56.01	Road sign boards with painted or coloured, semi-matt background, Symbols, lettering and borders in semimatt black o in Class 1 retro-reflective material, where the sign board is constructed from: (c) Sheet steel (chromadek 1.6mm thick) (1) Stop Sign - R1 (2) Danger Plate Sign - W401 & W402	No No	3 8		
56.02	Extra over item 56.01 for using: (a) Background of retro-reflective material: (i) Engineering grade (b) Lettering, symbols, numbers, arrows, emblems and borders of retro-reflective material: (i) High intensity grade	m ² m ²	2 2		
56.03	Road sign supports: (overhead road sign structures excluded) (a) Steel tubing, 60mm outside diameter, wall thickness 4,0mm,galvanized.	m	45		
56.05	Excavation and backfilling for road sign support (not applicable to km posts)	m ³	15		
56.06	E/O item 56.05 for cement treated soil backfill	m ³	15		
TOTAL SECTION 5600 CARRIED FORWARD TO SUMMARY					

SECTION 5200
5200 GABIONS

ITEM	DESCRIPTION	UNIT	QTY	CONTRACT VALUES	
				RATE	AMOUNT
51.04	Foundation trench excavation and backfilling				
	b. In all soil classes	m ³	30		
52.02	Surface preparation for bedding the gabions	m ²	300		
52.03	Gabions				
	a. Galvanized gabion boxes 1m x 1,5m high	m ³	50		
52.04	Filter fabric	m ²	100		
TOTAL CARRIED FORWARD TO SUMMARY					

SECTION 5900
5900 FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
59.01	Finishing road and road reserve (b) Single carriageway road	km	0,8		
TOTAL SECTION 5900 CARRIED FORWARD TO SUMMARY					

SECTION 7100
7100 CONCRETE PAVEMENTS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
71.02	150 mm 25 Mpa/19mm concrete pavement excluding texturing and curing	m ³	75,0		
71.04	texturing and curing the concrete pavement				
	a) Burlap-dragged and grooved texture	m ²	500,0		
	b) curing	m ²	500,0		
71.06	Joints:				
	a) 10mm wide expansion joints sealed with a closed cell polythelene jointing material at 5m centres	m	15,0		
71.07	drilling and testing of cores:				
	a) 100 mm cores drilled from the pavement	No	5,0		
71.08	Steel reinforced in concrete pavement				
	a) welded steel fabric ref 319	m ²	500,0		
TOTAL SECTION 7100 CARRIED FORWARD TO SUMMARY					

SECTION 8100
8100 TESTING MATERIALS AND WORKMANSHIP

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B81.01	Testing of materials (a) Testing as required by the Engineer	Prov. Sum	1	10 000	10 000,00
	(b) Handling costs and profit in respect of subitem B 81.04(a)	%	10 000		
TOTAL SECTION 8100 CARRIED FORWARD TO SUMMARY					